

US006357511B1

(12) United States Patent Kestle et al.

(10) Patent No.:

US 6,357,511 B1

(45) Date of Patent:

Mar. 19, 2002

(54)	INJECTION NOZZLE FOR A METALLIC
	MATERIAL INJECTION-MOLDING
	MACHINE

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35

U.S.C. 154(b) by 0 days.

(21) Appl. No.: 09/697,101

(22) Filed: Oct. 26, 2000

(51) Int. Cl.⁷ B22D 17/04; B22D 17/08;

164/113; 425/569, 574

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57) ABSTRACT

In metallic material injection molding machines, the connection between the injection nozzle and the sprue bushing has tended to leak metallic material. To overcome this problem, the nozzle has been modified to have a projecting portion or spigot that extends into a mating portion of the sprue bushing to form a seal between the respective portion walls. The nozzle and sprue bushing can move axially with respect to one another without loss of sealing whereas with the prior designs any separation between confronting annular surfaces on the sprue bushing and the nozzle would result in a loss of sealing and leakage.

9 Claims, 5 Drawing Sheets

